

KENWOOD

FM/AM TUNER

KT-3050

INSTRUCTION MANUAL

KENWOOD CORPORATION

# Introduction

Your choice of this product indicates that you are a devotee to excellence in sound reproduction.

We appreciate your patronage and take pride in the long tradition of quality components that our company represents.

So that you can get the most out of your unit, we suggest that you take the time to read through this manual before you hook up and operate your system. This will acquaint you with operating features and system-connection considerations so that your listening pleasure will be enhanced right from the start. You will notice that in all aspects of planning, engineering, styling, operating convenience and adaptability we have sought to anticipate your needs and desires.

**Keep this manual handy for future reference.**

## For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

## Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

## For the U.S.A.

### Note to CATV system installer:

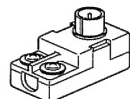
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

## Accessories

FM indoor antenna ..... 1



75  $\Omega$ /300  $\Omega$   
antenna adaptor ..... 1



Audio cord ..... 1

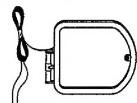


AC cord ..... 1  
(Except for the U.S.A. and  
CANADA.)

(The shape may vary de-  
pending on the destination  
areas.)



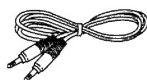
AM loop antenna ..... 1



Loop antenna holder ..... 1



System control cord ..... 1






AC plug adaptor ..... 1  
(Except for the U.S.A. and  
CANADA.)

For the unit with a European  
AC plug in areas other than  
Europe.



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## Before applying power

 **Caution:** Read this page carefully to ensure safe operation.

### For the U.S.A. and Canada

#### Important!

Units shipped to the U.S.A. and Canada are designed for operation on 120 volts AC only.

**CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THE AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

### For the United Kingdom

#### Important!

Units shipped to the U.K. are designed for operation on 240 volts AC only.

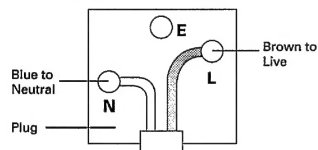
The mains plug must be removed from the wall socket prior to any internal examination.

The wires in this mains lead are coloured in accordance with the following code:

Blue ..... Neutral  
Brown ..... Live

The wires in this mains lead must be connected to the terminals in the plug as follows:

Wire colour	Plug terminal marking
Blue	N or Black
Brown	L or Red



Notes:

1. If a 13-amp plug is used, this must be fitted with a 5-amp fuse.
2. If a 3-pin plug with earthing contact is used, no wire must be connected to the E terminal.

### For Australia and Europe

#### Important!

Units shipped to Australia are designed for operation on 240 V AC only.

Units shipped to Europe are designed for operation on 230 V AC only.

### For other countries

#### Important!

Units shipped to countries other than the above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

#### AC voltage selection

This unit operates on 110-120 or 220-240 volts AC. The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

Note:

Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

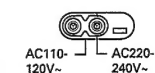


Fig. 1

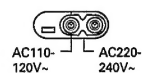


Fig. 2







Fig. 3

1. Before plugging in this unit, make sure that the position of the AC Voltage Selector conforms to your line (mains) voltage. If not, it must be reset. See Figure 1.
2. To reset the selector, slide the stopper plate to the opposite side with a screwdriver or other pointed tool. See Figure 2.
3. Insert the power cord securely. See Figure 3.

## Safety precautions

**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN		CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
	THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.		
	THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.		

## IMPORTANT SAFEGUARDS

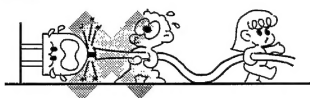
 **Caution:** Read this page carefully to ensure safe operation.

Please read all of the safety and operating instructions before operating this unit. For best results, follow all warnings placed on the unit and adhere to the operating and use instructions. These safety and operating instructions should be retained for future reference.

**1. Power sources** – The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

**2. Power-cord protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Never pull or stretch the cord.

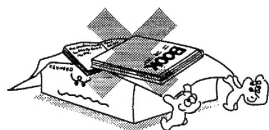


**3. Grounding or polarization** – The precautions should be taken so that the grounding or polarization means of this unit is not defeated.

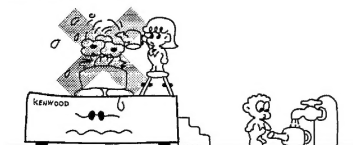
**4. Ventilation** – The unit should be situated so that its location or position does not interfere with its proper ventilation.

To maintain good ventilation, do not put records or a table-cloth on the unit. Place the unit at least 10 cm away from the walls.

Do not use the unit on a bed, sofa, rug or similar surface that may block the ventilation openings.



**5. Water and moisture** – The unit should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

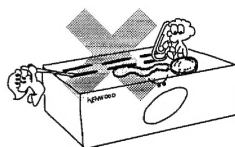


**6. Temperature** – The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).

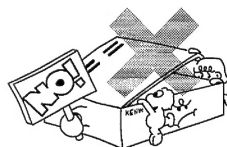
**7. Heat** – The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.



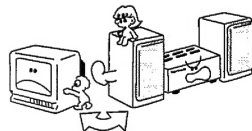
**8. Electric shock** – Care should be taken so that objects do not fall and liquid is not spilled into the enclosure through openings. If a metal object, such as a hair pin or a needle, comes into contact with the inside of this unit, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.



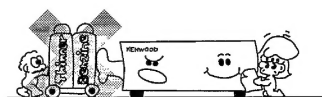
**9. Enclosure removal** – Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



**10. Magnetic fields** – Keep the unit away from sources of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.



**11. Cleaning** – Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.

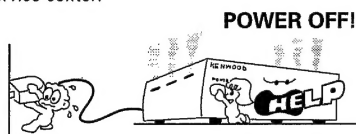


**12. Carts and stands** – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



**13. Nonuse periods** – The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.

**14. Abnormal smell** – If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service center.

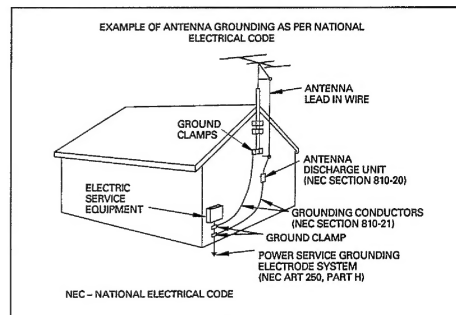


**15. Damage requiring service** – The unit should be serviced by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled into the unit; or
- C. The unit has been exposed to rain; or
- D. The unit does not appear to operate normally or exhibits a marked change in performance; or
- E. The unit has been dropped, or the enclosure damaged.

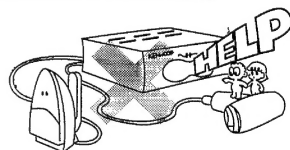
**16. Servicing** – The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

**17. Outdoor antenna grounding** – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.



**18. Power lines** – An outdoor antenna should be located away from power lines.

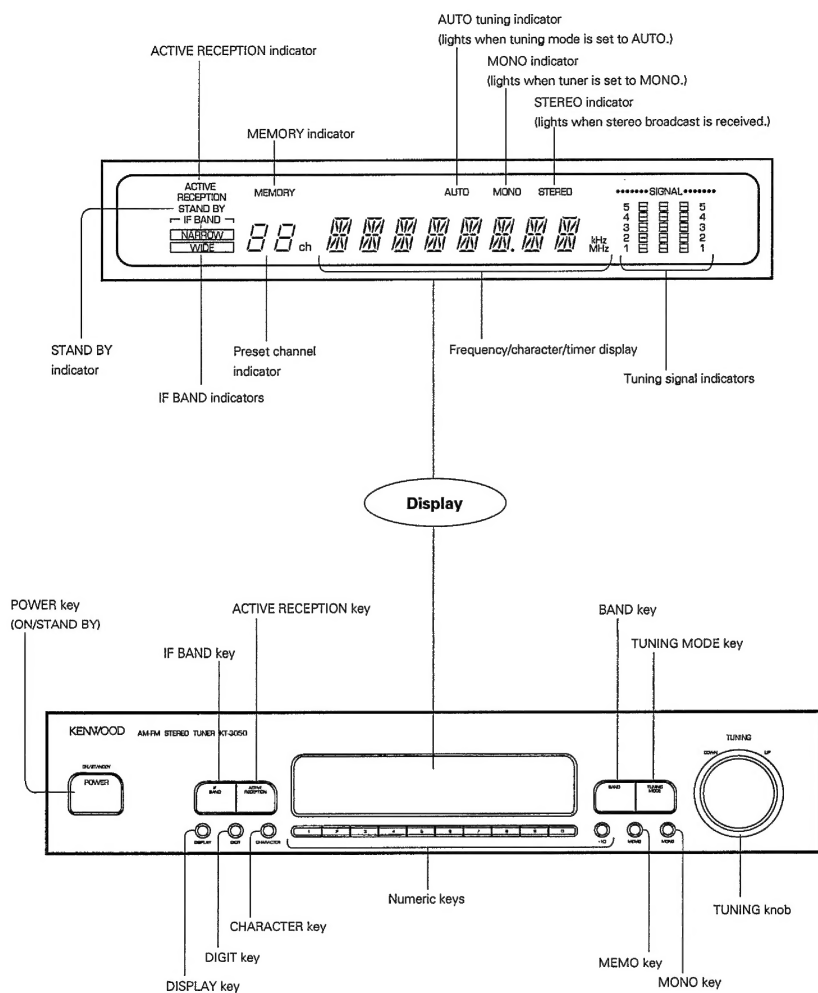
**19. AC outlets** – Do not connect other audio equipment with a power consumption larger than that specified to the AC outlet on the rear panel. Never connect other electrical units, such as an iron or toaster, to it to prevent fire or electric shock.



**Notes:**

1. Item 3 is not required except for grounded or polarized equipment.
2. Item 17 and 18 are not required except for units provided with antenna terminals.
3. Item 17 complies with UL in the U.S.A.

## Controls and indicators

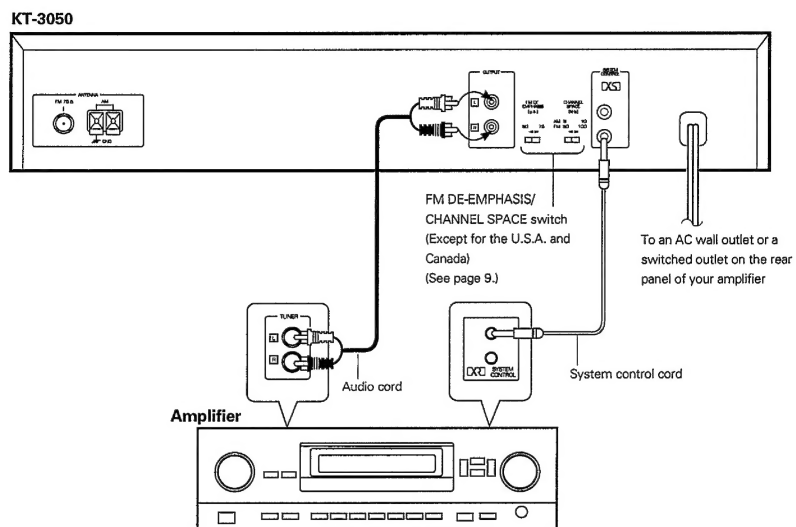


### STAND BY mode of POWER switch

When the power cord of this system is plugged into an AC outlet, the STAND BY indicator lights up regardless of the ON/OFF setting of the POWER switch. This indicates that a small amount of current is being supplied to the unit to back up the memory contents. This mode is referred to as the Stand By mode.

## System connections

Make connection as shown below. When connecting the related system components, refer also to the instruction manuals of the related components.  
Do not plug in the power lead until all connections are completed.



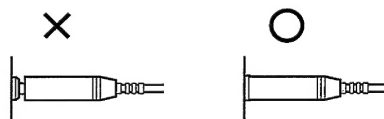
### System control connection

If this unit is connected to an amplifier equipped with KENWOOD system control terminals, remote control of various system operations (such as band switching, preset tuning, etc.) is possible. For details, refer to your amplifier's instruction manual.

If your amplifier is not equipped with the SYSTEM CONTROL terminals, do not connect anything to any SYSTEM CONTROL terminal.

Do not connect the unit in any system configuration other than specified.

- Be sure to insert the system control cord plugs fully into the SYSTEM CONTROL terminals.
- If the system control cord and audio cords are not connected properly, the automatic system governing remote control and system functions will not operate.



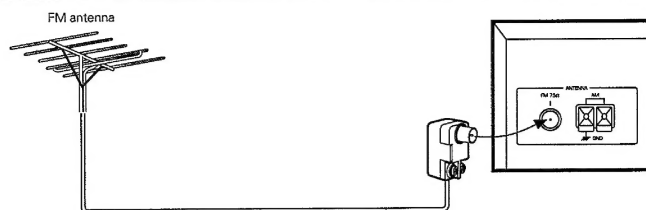
#### Notes:

1. Connect all cords firmly. If connections are loose, there could be loss of sound or noise produced.
2. When plugging and unplugging connection cords, be sure to first remove the power cord from the AC outlet.  
Plugging/unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.

## Antenna connections

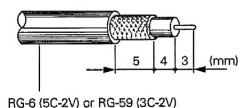
### ■ FM outdoor antenna connection

Run a 75Ω coaxial cable from an outdoor antenna and connect to this unit's "FM 75Ω" terminal.

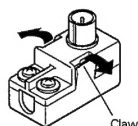


### ■ 75Ω coaxial cable connection

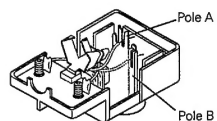
① Arrange the coaxial cable as illustrated.



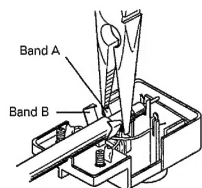
② Open the antenna adaptor.  
Open the claws with the fingers to release the lock and pull out the cover.



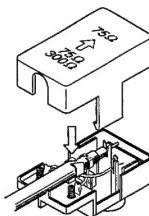
③ Remove the inner conductor from the groove of pole A and insert it in the groove of pole B.



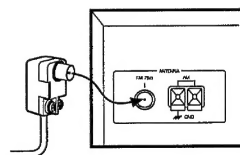
④ Insert into the slit on the clip. Fasten the bands A and B, using a pair of pliers.



⑤ Close the cover.

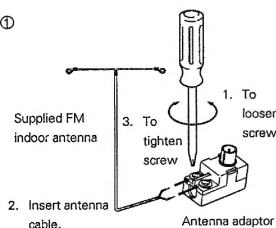


⑥ Connect the adaptor to the antenna terminal.

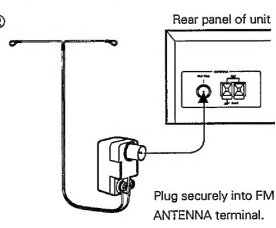


### ■ FM indoor antenna connection

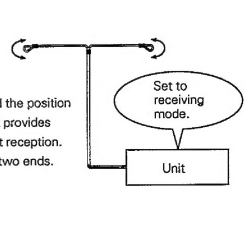
①  
1. To loosen screw  
2. Insert antenna cable.  
3. To tighten screw  
Antenna adaptor



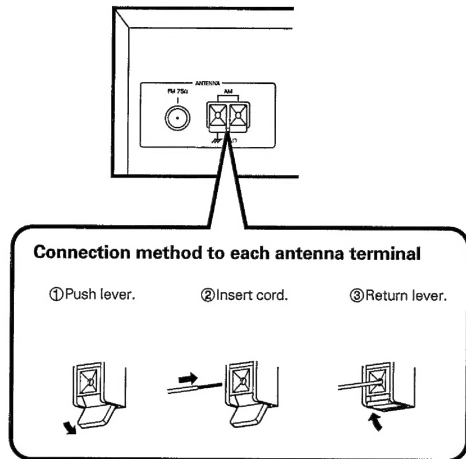
②  
Rear panel of unit  
Plug securely into FM ANTENNA terminal.



③  
1. Find the position that provides best reception.  
2. Fix two ends.  
Set to receiving mode.  
Unit

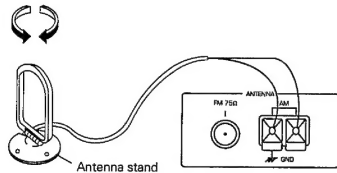






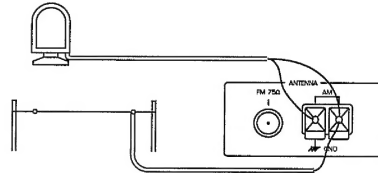
#### ■ AM loop antenna connection

The supplied antenna is for indoor use. Place it as far as possible from the main system, TV set, speaker cords and power cord, and set it to a direction which provides the best reception.



#### ■ AM outdoor antenna connection

If the reception is poor when the AM loop antenna is used, distribute a vinyl-coated wire of more than 6 meters outdoors, without disconnecting the loop antenna.

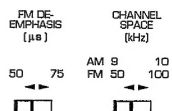


#### FM DE-EMPHASIS/CHANNEL SPACE switch (Except for the U.S.A. and Canada)

The FM DE-EMPHASIS/CHANNEL SPACE switch on the rear panel is set to the correct setting that prevails in the area to which the unit is shipped. However, if the FM DE-EMPHASIS/CHANNEL SPACE setting is not matched to the area where the unit is to be used; for instance, when you move from area 1 to area 2 or vice versa, desired reception of AM/FM broadcasts is not expected. In this case, change the FM DE-EMPHASIS/CHANNEL SPACE setting in accordance with the area corresponding to the table.

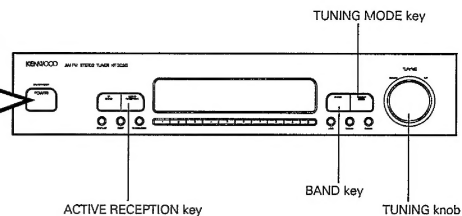
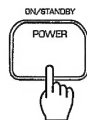
- When changing the setting of the CHANNEL SPACE switch, first disconnect the power cord, then reset the channel space switch, connect the power cord again, and turn the power on.

Area	CHANNEL SPACE freq.	FM DE-EMPHASIS
1. U.S.A., Canada, and South American countries	FM : 100kHz AM : 10kHz	75 $\mu$ s
2. Other countries	FM : 50kHz AM : 9kHz	50 $\mu$ s



# Receiving broadcasts

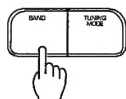
## Turning ON the power



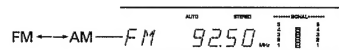
## ■ Auto tuning

### 1 Set your amplifier's input selector to TUNER.

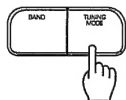
### 2 Select the broadcast band.



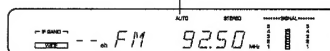
The bands are switched as follows every time the **[BAND]** key is pressed.



### 3 Set the tuner to auto tuning mode.



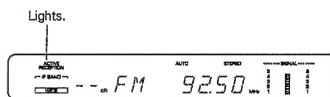
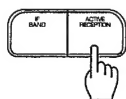
Check that the indicator is lit.



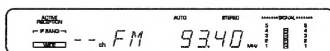
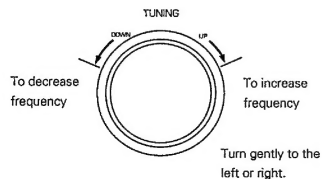
Press the key to select the auto (AUTO lighted) or manual (not lighted) mode.

### 4 Turn the ACTIVE RECEPTION ON.

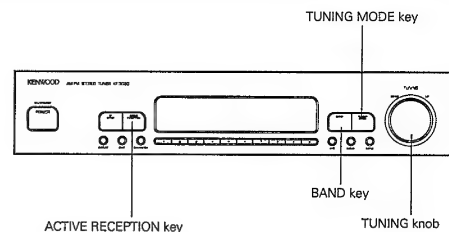
The tuner automatically sets the optimum conditions for receiving FM broadcasts. (See page 14.)



### 5 Tune in the desired station.



- To tune in a higher frequency, gently turn the TUNING knob to the right.
- To tune in a lower frequency, gently turn the TUNING knob to the left.
- The tuner automatically scans the frequencies in sequence and stops at the frequency of the next broadcast station.

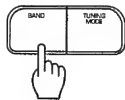


## ■ Manual tuning

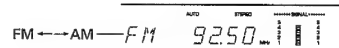
Use manual tuning to tune in stations with signals that are too weak to be detected during auto tuning.

### 1 Set your amplifier's input selector to TUNER.

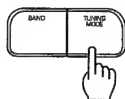
### 2 Select the broadcast band.



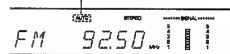
The bands are switched as follows every time the **[BAND]** key is pressed.



### 3 Set the tuner to manual tuning mode.



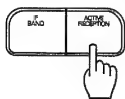
Goes out.



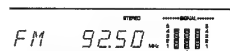
Press the key to select the auto (AUTO lighted) or manual (not lighted) mode.

### 4 Turn the ACTIVE RECEPTION ON.

The tuner automatically sets the optimum conditions for receiving FM broadcasts. (See page 14.)

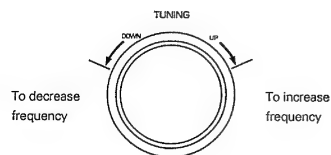


Lights.



Tuning signal indicator

### 5 Tune in the desired station.



- If you turn and hold the TUNING knob to the left or right, the frequencies change continuously.

#### Tuning signal indicator

When you turn the TUNING knob to tune in a broadcast, the left or right tuning signal indicator will light red when you near the tuning point of a broadcast station. When the tuning point is reached, the white center indicator lights according to the strength of the signal. This sequence is reversed as you move farther away from the station's tuning frequency. When tuning in an AM station, only the white center indicator lights according to the signal strength when the broadcast frequency is reached.

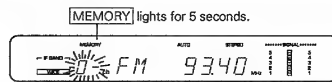
Note:

If the signal is weak, the left and right step displays may show only four points or less, or the left and right step displays may show unequal numbers of steps.

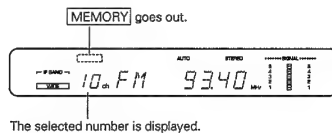
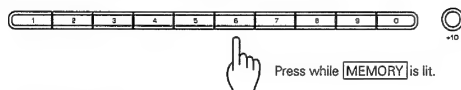
## ■ Receiving broadcast stations and storing them in memory (preset operation)

**1 Tune in the desired station.** (See page 10 ~ 11.)

**2 Press the MEMO key.**



**3 Memorize (preset) the station.**



### Input examples:

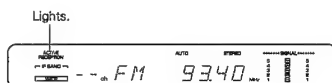
To preset the station in channel 10 : **[+10]** , **[0]**  
 To preset the station in channel 39 : **[+10]** , **[+10]** , **[+10]** , **[9]**

- When preset is to be continued, repeat steps 1 to 3.
- Up to 39 stations can be preset at random regardless of broadcast band.
- If you press a number key which already contains a preset station, that station is replaced by the currently selected station.

## ■ Tuning in a preset station

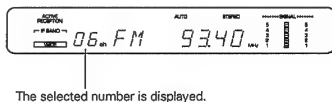
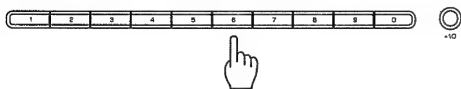
**1 Turn the ACTIVE RECEPTION ON.**

The tuner automatically sets the optimum conditions for receiving FM broadcasts. (See page 14.)



**2 Select the desired station.**

Press the corresponding numeric key.



### Input examples:

To receive channel 6 : **[6]**  
 To receive channel 23 : **[+10]** , **[+10]** , **[3]**

### DISPLAY key

If characters have been entered, the character display appears automatically.

Each press of the **[DISPLAY]** key switches between the character display and the frequency display.

If the frequency display is selected, the display mode automatically returns to the character display after approximately 5 seconds.

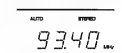
If no characters are entered, the **[DISPLAY]** key does not function.

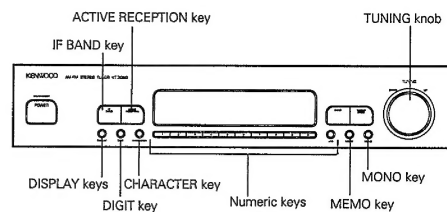


#### Character display



#### Frequency display





## ■ Displaying characters

S.N.P.S. (Station Name Preset System)

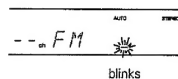
Up to four characters and symbols can be displayed.

This function is convenient for displaying the names of preset stations. Up to 39 stations can be preset.

### 1 Tune in the desired station. (See page 10 ~ 12.)

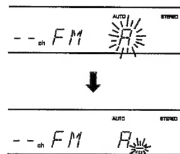
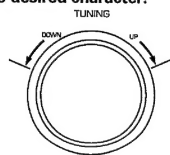
### 2 Set the tuner to character input mode.

Press the CHARACTER key.



### 3 Enter the characters you want to display.

#### ① Select the desired character.



The blinking cursor moves the next position.

#### ② Establish the selection.

Press the DIGIT key.



#### ③ Repeat steps ① and ② to enter all the necessary characters.

- To erase a character, enter a blank space at that position.

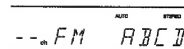
#### Characters available for selection:

After pressing the CHARACTER key, turning the TUNING knob displays the available characters in sequence.

A B C D E ..... V W X Y Z  
/ \* - + 9 .... 3 2 1 0  
Blank (space)

### 4 Finish the character input procedure.

If you only enter three or fewer characters, press the CHARACTER key after setting the last character.



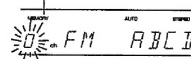
- If four characters are entered, character input mode is automatically canceled, so this operation is not necessary.

### 5 Memorize the characters.

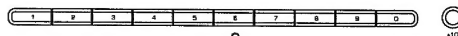
#### ① Press the MEMO key.



MEMORY lights for 5 seconds.



#### ② Press the desired numeric key.



Press while MEMORY is lit.



- If you make a mistake during entry or if you want to make a change, start the procedure over from the beginning.

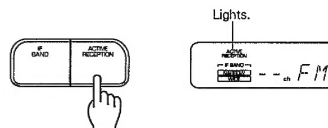
## Useful functions for FM broadcast reception

Each time the key is pressed, the operation mode changes. (These keys function only when receiving FM broadcasts.)

### ACTIVE RECEPTION key

When you press the ACTIVE RECEPTION key, the "ACTIVE RECEPTION" indicator lights in the display. If you perform a tuning operation or recall a preset station in this mode, the tuner will automatically switch the IF BAND and AUTO STEREO/MONO functions to obtain the optimum reception conditions for the signal being received.

Normally leave the ACTIVE RECEPTION mode ON.

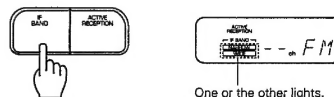


### IF BAND key

This function lets you set the intermediate frequency pass band to WIDE (wide band), or NARROW (narrow band).

**WIDE :** Normally set the IF BAND to WIDE. This setting allows reception of good quality sound with minimal distortion.

**NARROW :** If signal reception is poor due to interference from a neighboring station when the IF BAND is set to WIDE, change the IF BAND setting to NARROW.



One or the other lights.

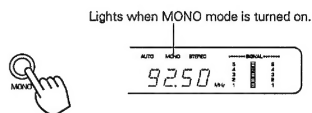
### MONO key

Off (the "MONO" indicator is extinguished) :

Normally leave this function turned off. The mode automatically switches according to the type of broadcast (stereo broadcast, monaural broadcast). (When a monaural broadcast is received, the "MONO" indicator does not light.)

On (the "MONO" indicator lights) :

If a large amount of noise is present when receiving a weak stereo broadcast signal, press the MONO key ON. This changes the reception mode from stereo to monaural and reduces the noise.



Lights when MONO mode is turned on.

### Memory backup

Even if the power cord is unplugged from the AC outlet, the preset memory contents will be backed up for three days.

### Last channel memory

When the power is turned ON or the BAND key is pressed to switch the band (AM, FM), the last station previously received is automatically tuned in.

## In case of difficulty

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Symptom	Cause	Remedy
No sound is heard.	<ul style="list-style-type: none"><li>• The tuner is not connected to the amplifier.</li></ul>	<ul style="list-style-type: none"><li>• Use audio cords to connect the tuner to the amplifier.</li></ul>
Radio stations cannot be received.	<ul style="list-style-type: none"><li>• No antenna is connected.</li><li>• The broadcast band is not set properly.</li><li>• The frequency of the desired station is not tuned.</li><li>• The signal detected by the antenna is weak.</li></ul>	<ul style="list-style-type: none"><li>• Connect an antenna.</li><li>• Set the broadcast band properly.</li><li>• Tune the frequency of the desired station.</li><li>• If located far from the broadcast station, install a dedicated FM outdoor antenna (5-8 elements).</li></ul>
No station is received when a numeric key is pressed.	<ul style="list-style-type: none"><li>• No station is preset in the recalled channel.</li><li>• The preset memory was cleared because the power cord had been unplugged for a long period of time.</li></ul>	<ul style="list-style-type: none"><li>• Preset the desired station.</li><li>• Preset the station again.</li></ul>
Interference.	<ul style="list-style-type: none"><li>• Noise due to ignition noise of an automobile.</li><li>• Noise due to an influence from an electric appliance.</li><li>• Noise due to a nearby TV set.</li></ul>	<ul style="list-style-type: none"><li>• Install the outdoor antenna apart from the road.</li><li>• Turn off the power of the appliance.</li><li>• Install the system more apart from the TV set.</li></ul>
Sound is distorted when the IF BAND is set to NARROW.	<ul style="list-style-type: none"><li>• The broadcasted sound level is too high.</li></ul>	<ul style="list-style-type: none"><li>• Set the IF BAND to WIDE.</li></ul>

### Notes:

1. This system is microprocessor-controlled, so malfunction may occur due to external noise or interference noise. In such a case, unplug the power cord, plug it and turn power on again.
2. Do not use contact cleaners because it could cause a malfunction. Be specially careful against contact cleaners containing oil, for they may deform the plastic components.

# Specifications

## FM tuner section

Reception frequency range .....87.5 MHz ~ 108 MHz  
 Usable sensitivity (MONO at 75  $\Omega$ ) .....0.95  $\mu$ V/10.8 dBf  
 50 dB quieting sensitivity (at 75  $\Omega$ )

MONO .....1.8  $\mu$ V/16.2 dBf  
 STEREO .....24  $\mu$ V/38.8 dBf

## Total harmonic distortion (at 1 kHz)

MONO .....0.05 % (85 dBf input) (WIDE)  
 0.1 % (85 dBf input) (NARROW)  
 STEREO .....0.08 % (85 dBf input) (WIDE)  
 0.18 % (85 dBf input) (NARROW)

## Signal to noise ratio (at 1 kHz)

MONO .....82 dB (85 dBf input)  
 STEREO .....77 dB (85 dBf input)

## Stereo separation

1 kHz .....52 dB (WIDE)  
 40 dB (NARROW)  
 50 Hz ~ 10 kHz .....35 dB (WIDE)

Captuer ratio (WIDE) .....1.2 dB  
 (NARROW) .....2.5 dB

Selectivity ( $\pm$ 400 kHz) .....55 dB (WIDE)  
 75 dB (NARROW)

Image rejection ratio (at 98 MHz) .....85 dB  
 IF rejection ratio (at 98 MHz) .....110 dB  
 Spurious rejection ratio (at 98 MHz) .....110 dB  
 AM suppression ratio .....70 dB

## Frequency response

(30 Hz ~ 15 kHz) .....+0.5 dB, -1.5 dB

## Output level/impedance (at 1 kHz, 75 kHz dev.)

Fixed .....0.8 V/600  $\Omega$

## AM tuner section

## Reception frequency range

9 kHz step .....531 kHz ~ 1,602 kHz  
 10 kHz step .....530 kHz ~ 1,610 kHz  
 or 530 kHz ~ 1,700 kHz  
 (For the U.S.A. and Canada)

Usable sensitivity .....15  $\mu$ V (400  $\mu$ V/m)

## Signal to noise ratio

(at 30 % mod. 1 mV input) .....50 dB

Total harmonic distortion .....0.3 %

Image rejection ratio .....35 dB

Selectivity .....30 dB

## Output level/impedance

(at 30 % mod. 1 mV input) .....0.24 V/600  $\Omega$

## General

Power consumption .....12 W

Dimensions .....W: 440 mm (17 - 5/16")

H : 98 mm ( 3 - 7/ 8")

D : 283 mm ( 11 - 1/ 8")

Weight (net) .....3.1 kg (6.8 lb)

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.